

Terrorist Modus Operandi Discovery System (TMODS)

Terrorist Modus Operandi Discovery System (TMODS) is a program developed for discovering instances of suspicious activities within a large body of observed events. The goal of this effort was to develop a social-network based threat pattern library that represents network attacks against the United States Military. TMODS takes relational databases and projects them graphically and visually where all relationships are perceptible for the intelligence analyst to derive a pattern that they will then search for within the representational dataset. In searching, TMODS utilizes multiple pattern-learning algorithms that represent different mathematical relationships and weights. These distinct algorithms create different results for the analyst to investigate. TMODS allows an analyst to quickly and automatically identify only those portions of the dataset that are of interest within critical amounts of time.

